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(71) Applicant *(for all designated States except US)*: KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: HENTSCHEL, Christian [DE/DE]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: GROENENDAAL, Antonius, W., M.; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
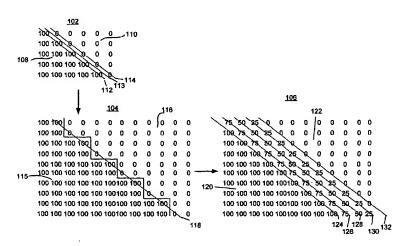
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(54) Title: IMAGE SCALING

(57) Abstract: A method of converting a first image (102) with a first resolution into a second image (106) with a second resolution, comprises pixel value insertion and convolution based on a non-separable multi-dimensional kernel which comprises a plurality of coefficients being equal to zero, a first portion of the plurality of coefficients being disposed on a first diagonal line through the non-separable multi-dimensional kernel and a second portion of the plurality of coefficients being disposed on a second diagonal line through the non-separable multi-dimensional kernel, the second diagonal line being perpendicular to the first diagonal line. A diagonal edge of 45 degrees in the first image is preserved in the case of an iso-trope scaling. That means that, if pixel values on the edge in the first image are mutually equal, then also the pixel values on the edge in the second image are mutually equal. Optionally, the method comprises sub-sampling.